

CLAIMS

A complete marked-up listing of the claims, with status identifiers for each claim in parenthesis, is as follows:

1. (Previously Presented) In a communication system, a method for blocking a call request comprising:

receiving at the mobile station an initial call request block probability, wherein the block probability is determined by a network element;

determining an elapsed time from an effective time of said initial call request block probability; and

adjusting said initial call request block probability based on said elapsed time.

2. (Original) The method as recited in claim 1 wherein said adjusting includes decreasing said initial call request block probability.

3. (Original) The method as recited in claim 1 further comprising:
using said adjusted initial call request to block call request at a mobile station in said communication system.

4. (Original) The method as recited in claim 1 further comprising:
receiving a time stamp associated with said initial call request block probability;
using said time stamp for determining said elapsed time.

5. (Previously Presented) The method as recited in claim 1 further comprising:
receiving an effective call request block termination time; and
terminating a call request block performed based on said adjusted initial call request block probability in a gradual process from said effective call request block termination time.

6. (Original) The method as recited in claim 1 wherein said adjusted initial call request block probability allows fewer number of mobile stations to initiate call requests than a number of mobile stations allowed to initiate call requests at a time of said initial call request block probability.

7. (Original) The method as recited in claim 1 further comprising:
receiving a time period value, wherein said adjusting occurs at least once during a time period substantially equal to said time period value.

8. (Previously Presented) In a communication system, an apparatus comprising:
a receiver configured for receiving at the mobile station an initial call request block probability; and
a processor configured for determining an elapsed time from an effective time of said initial call request block probability, wherein the block probability is determined by a network element and adjusting said initial call request block probability based on said elapsed time.

9. (Previously Presented) The apparatus as recited in claim 8 wherein said processor is further configured for using said adjusted initial call request to block a call request at a mobile station.

10. (Previously Presented) The apparatus as recited in claim 8 wherein said receiver is further configured for receiving a time stamp associated with said initial call request block probability, and said processor further configured for using said time stamp for determining said elapsed time.

11. (Previously Presented) The apparatus as recited in claim 8 wherein said receiver is further configured for receiving an effective call request block termination time and said processor further configured for terminating a call request block performed based on said adjusted initial call request block probability in a gradual process from said effective call request block termination time.

12. (Original) The apparatus as recited in claim 8 wherein said adjusted initial call request block probability allows fewer number of mobile stations to initiate call requests than a number of mobile stations allowed to initiate call requests at a time of said initial call request block probability.

13. (Previously Presented) The apparatus as recited in claim 8 wherein said receiver is further configured for receiving a time period value, wherein said adjusting occurs at least once during a time period substantially equal to said time period value.

14. (Previously Presented) A communication system comprising:
a mobile station configured for receiving an initial call request block probability from a base station, determining an elapsed time from an effective time of said initial call request block probability, and adjusting said initial call request block probability based on said elapsed time, wherein the block probability is determined by a network element.

15. (Original) The communication system as recited in claim 14 wherein said mobile station is further configured for using said adjusted initial call request to block call request.

16. (Original) The communication system as recited in claim 14 wherein said mobile station is further configured for receiving, from said base station, a time stamp associated with said initial call request block probability, and using said time stamp for determining said elapsed time.

17. (Original) The communication system as recited in claim 14 wherein said mobile station is further configured for receiving, from said base station, an effective call request block termination time, and terminating a call request block performed based on said adjusted initial call request block probability in a gradual process from said effective call request block termination time.

18. (Original) The communication system as recited in claim 14 wherein said mobile station is further configured for receiving, from said base station, a time period value, wherein said adjusting occurs at least once during a time period substantially equal to said time period value.

19. (Previously Presented) A mobile station comprising:
a receiver configured for receiving an initial call request block probability; and
a processor configured for determining an elapsed time from an effective time of said initial call request block probability, and adjusting said initial call request block probability based on said elapsed time, wherein the block probability is determined by a network element.

20. (Previously Presented) The apparatus as recited in claim 19 wherein said processor is further configured for using said adjusted initial call request to block or unblock a call request at said mobile station.

21. (Previously Presented) In a communication system, an apparatus comprising:
a receiver configured for receiving at the mobile station an initial call request block probability, wherein the initial call request block probability is a percentage of calls to be blocked as specified by a network element; and
a processor configured for determining an elapsed time from an effective time of said initial call request block probability, wherein the block probability is determined by a network element and adjusting said initial call request block probability based on said elapsed time.

22. (New) The apparatus as recited in claim 21, wherein said processor is further configured to use said adjusted initial call request to block a call request.

23. (New) A method for blocking a call request at a mobile station, the method comprising:

receiving at the mobile station an initial call request block probability, the initial call request block probability being a percentage of calls to be blocked as specified by a network element;

receiving at the mobile station a time stamp and a time period associated with the received initial call request block probability;

determining an elapsed time from an effective time of said initial call request block probability using the received time stamp;

iteratively adjusting the initial call request block probability, the number of iterations being based on the ratio of the elapsed time to the received time period;

generating a random number by the mobile station between minimum and maximum allowed values associated with the initial call request block probability; and

blocking the call request at the mobile station based on a comparison of the randomly generated number and the adjusted initial call request block probability.